

## SAMPLING TRIP REPORT

**SITE NAME:** Bayonne Barrel & Drum  
TDD #: 02-98-09-0023  
DCN #: START-02-F-03245

**EPA I.D. NO.:** E,RS

**SAMPLING DATES:** November 30 - December 2, 1998

1. **Site Location:** Bayonne Barrel & Drum  
150-154 Raymond Boulevard  
Newark, Essex County, New Jersey
2. **Sample Descriptions:** Refer to Table 1, the Site Location Map and the Chain of Custody Records (Attachment A) for sample descriptions, types, and parameters.
3. **Laboratory Receiving Samples:**

<u>Sample Type</u>	<u>Name and Address of Laboratory</u>	<u>Parameters</u>
Groundwater	Compuchem Environmental Corp. 501 Madison Avenue Cary, NC 27573 (919) 379-4100	TAL Metals, Full TCL, Ammonia, Color, Fluoride Hardness, Odor, Nitrate, Nitrite, Oil & Grease, TPH (Total Petroleum Hydrocarbons), TDS (Total Dissolved Solids)
Groundwater	Microbac Environmental Laboratory 817 Castlehayne Drive Fayetteville, NC 28303 (910) 864-1920	Odor

4. **Sample Dispatch Data:**

On November 30, 1998, at 1830 hours, a total of four groundwater samples plus a Rinsate Blank and Trip Blank were shipped to Compuchem Environmental Corporation via Federal Express (Air Bill #809608931423) for analysis of the parameters listed above.

On December 1, 1998, at 1730 hours, a total of five groundwater samples plus a Rinsate Blank and a Trip Blank were shipped to Compuchem Environmental Corporation via Federal Express (Air Bill #4811726883) for analysis of the parameters listed above.

301302



On December 2, 1998, at 1745 hours, a total of four groundwater samples plus a Rinsate Blank and a Trip Blank were shipped to Compuchem Environmental Corporation via Federal Express (Air Bill #809608924650) for analysis of the parameters listed above.

On December 2, 1998, at 1745 hours, five groundwater samples plus a Rinsate Blank were shipped to Microbac Environmental Laboratories via Federal Express (Air Bill #809608924649) for odor analysis.

**5. On-Site Personnel:**

<u>Name</u>	<u>Affiliation</u>	<u>Duties on Site</u>
John F. Brennan	START II	Project Manager, Site QA/QC
Thomas O'Neill	START II	Sample Management Officer
Christoph Stannik	START II	Sampling
Matthew Coppolecchia	START II	Sampling
Anthony Vandeven	START II	Sampling
William Waddleton	START II	Sampling
Joseph Cosentino	EPA	Task Monitor

**6. Additional Comments:**

All of the monitoring wells examined during this exercise were purged and sampled following U.S.E.P.A. Region II Low Stress Ground Water Sampling Standard Operating Procedures, with the exception of monitoring well BBD-C5.

Monitoring well Well B is the duplicate sample of LB-MW2. The MS/MSD sample for this event was collected at monitoring well BBD-C3.

A Rinsate (Equipment) Blank was collected each day of sampling to verify the decontamination level of the pumps. The Rinsate Blank was collected by running distilled/deionized water through a decontaminated pump, directly into the sample jars. A Trip Blank was also collected each day of sampling and analyzed for TCL volatiles. All of the samples collected for TCL volatile analysis each day were shipped in the same cooler as the Trip Blank collected on that day.

Monitoring well BBD-C5 was sampled with a Teflon bailer. The inadequate volume of standing groundwater in the well (1.5L) and the historically poor recharge of the well made the low-stress pumping procedure impractical. On December 1, 1998, one volume of the well was purged and water quality readings were collected. This task however, dried the well. The well was allowed to recharge for a few hours and then sampled for TCL volatiles, TAL metals, ammonia, color, fluoride, hardness, nitrate, nitrite, odor, oil & grease, TPH and TDS. The well was then observed to be dry again. On December 2, 1998, START returned to the well and sampled for

TCL extractables and resampled for odor at the request of the laboratory. The odor sample collected on December 1, 1998 did not contain sufficient volume for analysis.

Monitoring well 2614909-5 was originally observed during the well redevelopment activities to contain a Light Non-Aqueous Phase Liquid (LNAPL) on top of the water table. The Sampling Workplan for this event called for sampling of this product layer. However, investigation of the monitoring well on December 2, 1998, found that there was only a sheen of LNAPL present. Since the sheen was not of sufficient volume to sample, only the aqueous phase (groundwater) was sampled. The vapor reading measured at the top of the inner casing of this monitoring well was 69 ppm. The vapor reading measured in the breathing zone was < 1 ppm. As a precaution, the START personnel responsible for sampling this monitoring well were required to wear Level C PPE as defined in the Sampling Workplan.


START was informed by Compuchem on December 2, 1998, that the samples which were to be analyzed for odor would be subcontracted to Microbac Environmental Laboratories. Since the holding time for the odor analysis is 48 hours, Compuchem asked START to send the samples to be analyzed for odor directly to Microbac Environmental Laboratories. START complied with this request and sent the samples collected from monitoring wells BBD-C5, 2614920, 2614909-5, LB-MW1 and BBD-C1 and RIN-003 directly to Microbac Environmental Laboratories.

START was also notified by Compuchem on December 2, 1998, that the sample jars for nitrate and nitrite analysis did not need to be preserved with sulfuric acid. At this point, only monitoring wells BBD-C1, LB-MW1 and the Rinsate Blank (RIN-003) remained to be sampled. These three samples were the only samples not preserved with sulfuric acid. All of the other samples which were preserved with sulfuric acid were discarded by Compuchem. The sample for the nitrate and nitrite analysis was taken from the TCL extractable samples by Compuchem.

Monitoring well BBD-C2 was found to be collapsed during the monitoring well redevelopment exercises that took place the week of November 8, 1998. BBD-C2 could not be sampled.

Sample descriptions and locations are provided in Table 1. Weather conditions for all three days of sampling consisted of clear skies and temperatures ranging from 55-60°F, and winds from 15-20 mph.

7. **Report Prepared by:**

  
**John F. Brennan, START**

**Date:** 12/10/98

**Report Reviewed by:**

  
**Thomas O'Neill, START Group Leader**

**Date:** 12/10/98

**TABLE 1**  
**SAMPLE LOCATIONS AND DESCRIPTIONS**

SAMPLE ID	DATE	TIME	PID READING* (ABOVE BACKGROUND)	NOTES
LB-MW1	12/2/98	1540	0 ppm	--
LB-MW2	11/30/98	1615	0 ppm	--
LB-MW3	12/1/98	1210	0 ppm	--
WELL A	11/30/98	1215	6.4 ppm	--
WELL B	11/30/98	1630	N/A	Duplicate of LB-MW2
MW-29WA	12/1/98	1500	6.6 ppm	--
2614909-5	12/2/98	1110	69 ppm	LNAPL sheen present on top of the sample
2614920	12/2/98	1115	0.4	Foaming observed during purging
BBD-C1	12/2/98	1500	0 ppm	--
BBD-C3	12/1/98	1200	0 ppm	MS/MSD collected at this well
BBD-C4	11/30/98	1300	3 ppm	--
BBD-C5	12/1/98 & 12/2/98	1530 & 0835	5.8 ppm	Sample was collected over a two day period
RIN-001	11/30/98	1545	N/A	Rinsate Blank for 11/30/98
RIN-002	12/1/98	0945	N/A	Rinsate Blank for 12/1/98
RIN-003	12/2/98	1255	N/A	Rinsate Blank for 12/2/98
TB-01	11/30/98	1030	N/A	Trip Blank for 11/30/98

SAMPLE ID	DATE	TIME	PID READING* (ABOVE BACKGROUND)	NOTES
TB-02	12/1/98	0930	N/A	Trip Blank for 12/1/98
TB-03	12/2/98	0950	N/A	Trip Blank for 12/2/98

\*Organic vapor readings taken with a Photovac Microtip HL-2000 photo-ionization detector (PID) at the top of the well casing

## WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Allocation  
PO Box 426  
Trenton, NJ 08625-0426

WELL PERMIT # 26-14909-9  
of well sealed

DATE WELL SEALED 11-16-98

PROPERTY OWNER BAYONNE BARREL + DRUM

ADDRESS 150-154 RAYMOND BLVD, NEWARK NJ

WELL LOCATION (SAME) ESSEX COUNTY

Street & No., Township, County

MW29W  
Well No.

3, 14  
Lot No.

5002  
Block No.

USE OF WELL PRIOR TO ABANDONMENT: MONITORING

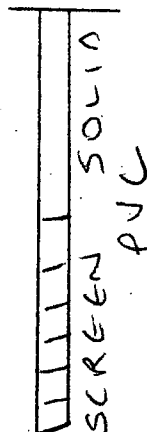
REASON FOR ABANDONMENT: NOT IN USE

WAS A NEW WELL DRILLED? ☐ YES ☒ NO

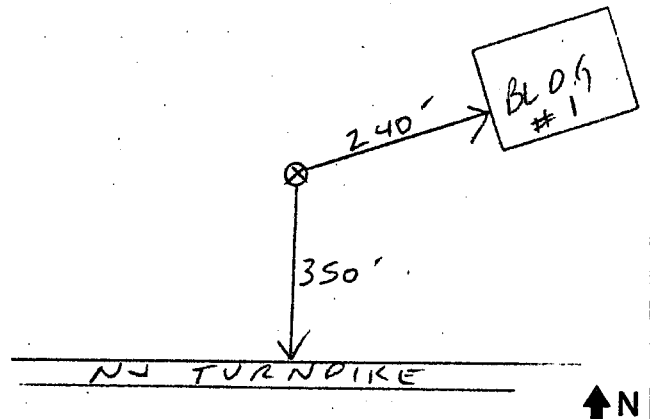
PERMIT # OF NEW WELL \_\_\_\_\_

TOTAL DEPTH OF WELL UNKNOWN  
DIAMETER 4 IN  
CASING LENGTH UNKNOWN  
SCREEN LENGTH UNKNOWN  
NUMBER OF CASINGS 1

Cross-section  
of sealed well



Draw a sketch showing distance and relations of well site to  
nearest roads, buildings, etc.



MATERIAL USED TO DECOMMISSION WELL:

21 Gallons of Water  
282 Lbs. of Cement  
15 Lbs. of Bentonite  
- Lbs. of Sand/Gravel  
(none if well is contaminated)

FORMATION: ☐ Consolidated  
☒ Unconsolidated

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? ☒ YES ☐ NO CASING MATERIAL: PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? ☐ YES ☒ NO WHAT WERE THE OBSTRUCTIONS: \_\_\_\_\_

IF "YES", AUTHORIZATION GRANTED BY \_\_\_\_\_ ON \_\_\_\_\_  
(NJDEP Official) (Date)

Was an alternative decommissioning method used? ☐ YES ☒ NO

IF "YES", authorization granted by \_\_\_\_\_ ON \_\_\_\_\_  
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9-9.1 et seq.

ALBERT BAMBACE

BOUND BROOK NJ

12-4-98

Performing Work (Print or Type)

Name of NJ Certified Well Sealer

Address

Albert Bambace

Mailing Date

J13751

Signature of NJ Certified Well Sealer

Performing Work

Registration #

COPIES:

White - Water Allocation

Yellow - Owner

Pink - Health Dept.

Goldenrod - Driller

SERIAL # 010447

DWR-133M (10/96)

Mail to

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TRENTON, NJ

NJDEP  
Bureau Water Allocation  
CN 426  
Trenton, NJ 08625-0426

MONITORING WELL PERMIT

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 2652474

COORD #: 26.23.1.13

Owner BAYONNE BARREL AND DRUM  
Address 150 Raymond Blvd.  
NEWARK, N.J.  
Name of Facility \_\_\_\_\_  
Address SAME /

Driller Summit Drilling Co., Inc.  
Address Central Jersey Industrial Park  
Chimney Rock Road, Building 9W  
Bound Brook, NJ 08805

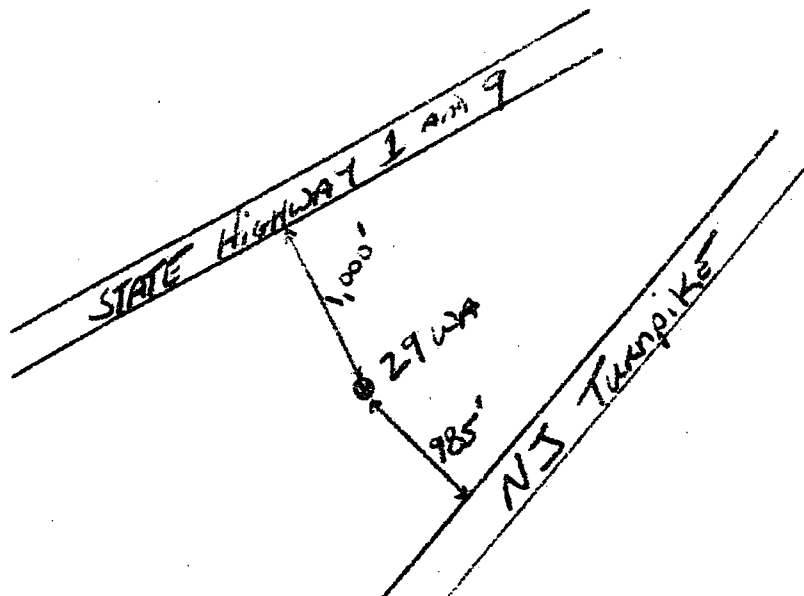
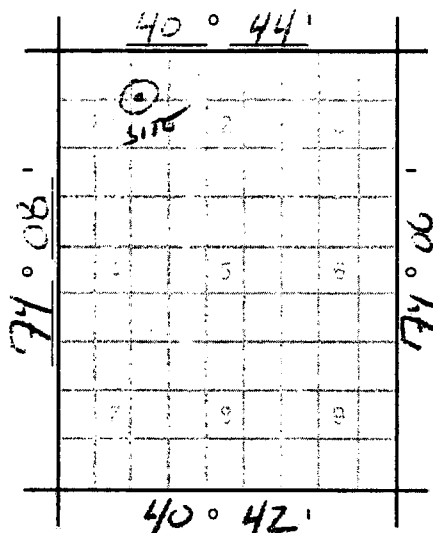
Diameter of Well(s) <u>4</u> Inches	Proposed Depth of Well(s) <u>25</u> Feet
# of Wells Applied for (max. 10) <u>1</u>	Will pumping equipment be installed? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Type of Well (see reverse) <u>Monitor</u>	If Yes, give pump capacity <u>N/A</u> cumulative GPM

LOCATION OF WELL(S)

Lot # <u>3, 14</u>	Block # <u>5002</u>	Municipality <u>NEWARK</u>	County <u>ESSEX</u>
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Draw sketch of well(s) nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 26

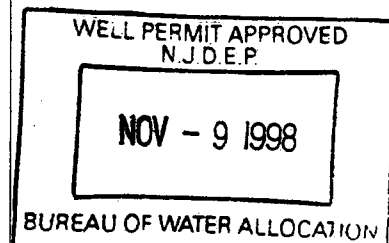


FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED BY THE APPLICANT. PLEASE INDICATE WHY THE WELLS ARE BEING INSTALLED:

- ☐ Spill Site
- ☐ ISRA Site
- ☒ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☐ Underground Storage Tank Site
- ☐ Operational Ground Water Permit Site
- ☐ Pretreatment and Residuals Site
- ☐ Water and Hazardous Waste Enforcement Case
- ☐ Water Supply Aquifer Test Observation Well
- ☐ Other (explain) \_\_\_\_\_

CASE I.D. Number \_\_\_\_\_

This Space for Approval Stamp



FOR D.E.P. USE ☐ Issuance of this permit is subject to the conditions attached. (see next page) ☒ The well(s) may not be completed with more than 25 feet of total screen or uncased borehole.

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 11-9-93 Signature of Driller [Signature] Registration No. 171512  
Signature of Owner [Signature] WESTON  
COPIES: Water Allocation — White Health Dept. — Yellow Owner — Blue Driller — White



**MONITORING WELL RECORD**

Well Permit No. 26 52474

Atlas Sheet Coordinates 26 23 113

OWNER IDENTIFICATION - Owner BAYONNE BARREL & DRUM

Address 150 RAYMOND BLVD.

City NEWARK

State NJ

Zip Code \_\_\_\_\_

WELL LOCATION - If not the same as owner please give address. Owner's Well No. MW 29WA

County ESSEX

Municipality NEWARK CITY

Lot No. 3, 14

Block No. 5002

Address 150 RAYMOND BLVD.

DATE WELL STARTED 11/9/98

DATE WELL COMPLETED 11/9/98

TYPE OF WELL (as per Well Permit Categories)

MONITORING

Regulatory Program Requiring Well ARCOLA

Case I.D.# \_\_\_\_\_

CONSULTING FIRM/FIELD SUPERVISOR (if applicable) Weston Consultants Tele. # \_\_\_\_\_

**WELL CONSTRUCTION**

Total depth drilled 15 ft.

Well finished to 15 ft.

Borehole diameter:

Top 10 in.

Bottom 10 in.

Well was finished: ☒ above grade

☐ flush mounted

If finished above grade, casing height (stick up) above land surface +3 ft.

Was steel protective casing installed?

☒ Yes ☐ No

Static water level after drilling 6 ft.

Water level was measured using tape

Well was developed for 1/2 hours

at 1/2 gpm

Method of development pump

Was permanent pumping equipment installed? ☐ Yes ☒ No

Pump capacity \_\_\_\_\_ gpm

Pump type: \_\_\_\_\_

Drilling Fluid \_\_\_\_\_ Type of Rig Hurricane

Health and Safety Plan submitted? ☒ Yes ☐ No

Level of Protection used on site (circle one) None D C B A

I certify that I have constructed the above referenced well in accordance with all well permit requirements and applicable State rules and regulations.

Drilling Company \_\_\_\_\_

Well Driller (Print) Jeff Marchesi

Driller's Signature Jeff Marchesi

Registration No. M1512 Date 11/18/98

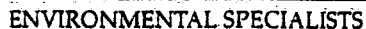
Note: Measure all depths from land surface	Depth to Top (ft.)	Depth to Bottom (ft.)	Diameter (inches)	Material	Wgt./Rating (lbs/sch no.)
Single/Inner Casing	<u>+3</u>	<u>5</u>	<u>4</u>	<u>PVC</u>	<u>Sch 40</u>
Middle Casing (for triple cased wells only)					
Outer Casing (largest diameter)					
Open Hole or Screen (No. Used )	<u>5</u>	<u>15</u>	<u>4</u>	<u>PVC</u>	<u>010 Sch 40</u>
Blank Casings (No. Used )					
Tail Piece					
Gravel Pack	<u>2</u>	<u>15</u>		<u>Mowit #1</u>	
Grout	<u>0</u>	<u>2</u>		<u>Neat Cement Bentonite</u>	<u>94 lbs.</u> <u>5 lbs.</u>

Grouting Method Gravity

Drilling Method Auger

**GEOLOGIC LOG**

Note each depth where water was encountered in consolidated formations.



**Central Jersey Industrial Park**  
Chimney Rock Road, Bldg. 9W  
Bound Brook, NJ 08805  
Telephone: (908) 722-4266  
Toll Free: (800) 242-6648  
FAX: (732) 356-1009

## WELL LOG

WELL: MW29WA	DATE DRILLED: 11/09/1998	COORD #1: 26.23.113	PERMIT #1: 26-52474	
		COORD #2:	PERMIT #2:	COUNTY: Essex
SITE: Bayonne Barrel and Drum, 150 Raymond Boulevard, , Newark, NJ				XSTREET: Highway 1 and
OWNER: Bayonne Barrel and Drum, 150 Raymond Blvd., , Newark, NJ				USE: Monitor
INNER CASING: PVC	OUTER CASING:	SCREEN TYPE 1: PVC		DRILLING METHOD: Auger
DIAMETER: 4"	DIAMETER:	SCREEN TYPE 2:		SAMPLING METHOD:
LENGTH: 8'	LENGTH:	DIAMETER: 4"		HOLE DIA: 10", 10"
		LENGTH 1: 10'		TOTAL DEPTH: 15'
SET WELL: 15'	GAL PER MIN: 1/2	LENGTH 2:		
GRAVEL PK SZ: Morie #1	STAT H2O LVL: 5'	SLOT SIZE: .010		
DRILLER: Jeff Marchesi	DEVELOPMENT METHOD: Pump	CASING SEAL: Portland		
SURFACE COMPLETION: S	DEVELOPMENT TIME: 1/2 Hour	OPEN HOLE:		

DEPTH BELOW SURFACE FROM - TO	BLOWS PER 6" ON SAMPLER
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## REMARKS / SOILS IDENTIFICATION

0'- 6' Dark brown f/c sand & f/c gravel  
little clay, fill, ash, cinders.  
6'- 15' Dark brown f/c sand & silty clay.

Steel Cap with Padlock

Length of Protective Steel Casing  
Securely Set in Cement

10

### Ground Surface

### Cement Collar

Neat Cement Grout  
(ASTM Type II, 5% Bentonite Added)  
3' - 2'

PVC Casing  
4" Diameter

PVC Screen  
4" Diameter

Gravel Pack.  
2' - 15'

Bore Hole  
10", 10" Diameter

Bottom Cap

/// +3' - 5' Solid

5' - 19' Screen.

**ATTACHMENT A**  
**CHAIN OF CUSTODY RECORDS**

RFP No.:

4384

PO No.:

99168

## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No.:

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
LB-MW1	12/2/98 1540	2	L/M	G	6		x	x	x						
					2					x					
					4										AMMONIA
					6										COLOR
					6										HARDNESS
					6										FLUORIDE
					6										NITRATE/NITRITE
					6										DOOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE VALUES FOR NITRATE/NITRITE

Person Assuming Responsibility for Sample:

THOMAS ONEILL Thomas O'Neill

Time Date (MM/DD/YY)

1600 12/2/98

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Ship to LAB

LB-MW1

Thomas O'Neill

1630

12/2/98

John F. Brown

Reason for Change of Custody

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

ALL

John F. Brown

1630

12/2/98

John F. Brown

Sample Number

Relinquished By:

Time

Date

Received By:

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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8. Other (Specify)

Preservative Box No.:

1. HCl
2. HNO<sub>3</sub>
3. Na<sub>2</sub>SO<sub>4</sub>
4. H<sub>2</sub>SO<sub>4</sub>
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

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Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
LB-MW2	11/30/98 1615	2	4M	G	2						X				
					1	X									②
					6		X	X	X						
					4										AMMONIA
					6										COLOR
					6										FLUORIDE
					6										HARDNESS
					4										NITRATE/NITRITE
					6										ODOR
					4										OIL + GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE NITRITE + NITRATE VALUES

Person Assuming Responsibility for Sample:

THOMAS O'NEIL Thomas O'Neil

Time Date (MM/DD/YY)

11/30/98

Sample Number Relinquished By:

LB-MW2

Thomas O'Neil

Time

1730

Date

11/30/98

Received By:

John P. Br...

Reason for Change of Custody

Shipping LAB

Sample Number Relinquished By:

LB-MW2

John P. Br...

Time

1730

Date

11/30/98

Received By:

Fed Ex

Reason for Change of Custody

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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5. Other (Specify)  
6. Ice Only  
N. Not Preserved  
• See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Attention: Shina Sambo, Sr. Lab Tech

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS					RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	
LB-MW3	12/1/98 1210	2	4m	G	6		+	+	+					
					2					+				
					4									AMMONIA
					6									COLOR
					6									FLUORIDE
					6									HARDNESS
					4									NITRATE/NITRITE
					6									ODOR
					4									OIL & GREASE
					1									TOTAL PET HYDRO.
					6									TOTAL DISS SOLIDS

Comments:

NEED SEPARATE NITRATE + NITRITE VALUES

Person Assuming Responsibility for Sample:

THOMAS ONEILL Thomas O'Neill

Time Date (MM/DD/YY)

12/1/98 1330

Sample Number Relinquished By:

LB-MW3

Thomas O'Neill

Time

Date

Received By:

1330

12/1/98

Reason for Change of Custody

SHIPPED LAB

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:

4384

PO No.:

## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

Preservative Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
WELL A	11/30/98 12:15	2	4m	G	2						X				②
					1	X									
					6		X	X	X						AMMONIA
					4										COLOR
					6										FLUORIDE
					6										HARDNESS
					4										NITRATE / NITRITE
					6										ODOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE NITRATE &amp; NITRITE VALUES

Person Assuming Responsibility for Sample:

THOMAS O'NEIL Thomas O'Neil

Time Date: (MM/DD/YY)

11/30/98

Sample Number Relinquished By:

WELL A

Thomas O'Neil

Time

11:30

Date

11/30/98

Received By:

John F. Ben

Reason for Change of Custody

Shipped to  
LAB

Sample Number Relinquished By:

WELL A

John F. Ben

Time

11:30

Date

11/30/98

Received By:

John F. Ben

Reason for Change of Custody

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:  
4384  
PO No.:

# CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2S2O4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	7. Not Preserved
8. Other (Specify)	• See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS					RCRA ANALYSIS				OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
WELL B	11/30/98 1630	2	L/M	G	2					+					
					1	+									
					6		+	+	+						
					4										AMMONIA
					6										COLOR
					6										FLUORIDE
					6										HARDNESS
					4										NITRATE / NITRITE
					6										ODOR
					4										OIL + GREASE
					1										TOTAL PET. HYDR.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE NITRITE & NITRATE VALUES

Person Assuming Responsibility for Sample:

THOMAS O'NEILL *Thomas O'Neill*

Time Date (MM/DD/YY)

11/30/98

Sample Number Relinquished By:

WELL B

*Thomas O'Neill*

Time

1730

Date

11/30/98

Received By:

*John F. B.*

Reason for Change of Custody

shipped to LAB

Sample Number Relinquished By:

WELL B

*John F. B.*

Time

1730

Date

11/30/98

Received By:

*Fed Ex*

Reason for Change of Custody

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.



RFP No.: 4384  
 PO No.: 99168

# CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
 EPA CONTRACT 68-W5-0019  
 Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START  
 Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
 Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
29-WA BDD-C3	12/1 1500	2	4m	G	2										
					1	+									
					6		+	+	+						
					4										AMMONIA
					6										COLOR
					4										FLUORIDE
					6										HARDNESS
					4										NITRATE/NITRITE
					6										ODOR
					4										OIL + GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

~~12-1-15~~ NEED SEPARATE NITRATE + NITRITE VALUES

Person Assuming Responsibility for Sample:

THOMAS ONEIL

THOMAS ONEIL

Time Date (MM/DD/YY)

12/1/98 1600

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
29 WA BDD-C3	THOMAS ONEIL	1730	12/1/98		shipped to LAB
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:

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## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

Preservative Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
2614909-5	12/2/98 1110	2	L/M	G	6		X	X	X						
					2						X				
					4										AMMONIA
					6										COLOR
					6										HARDNESS
					6										FLUORIDE
					4										NITRATE/NITRITE
					6										ODOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE VALUES FOR NITRATE/NITRITE

Person Assuming Responsibility for Sample:

THOMAS O'NEILL

Thomas O'Neill

Time Date (MM/DD/YY)

1300 12/2/98

Sample Number

Relinquished By:

Time

Date

Received By:

2614909-5

Thomas O'Neill

1630

12/2/98

John F. Brown

Reason for Change of Custody  
Shipping to LAB

Sample Number

Relinquished By:

Time

Date

Received By:

ACC

John F. Brown

1630

12/1/98

Ted G.

Reason for Change of Custody

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:

4384

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## CHAIN OF CUSTODY RECORD

SUBFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No.:

1. HCl
2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
2614922	12/2/98 1115	2	L/M	G	6		X	X	X						
					2						X				
					4										AMMONIA
					6										COLOR
					6										HARDNESS
					6										FLUORIDE
					4										NITRATE/NITRITE
					6										COLOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE VALVES FOR NITRATE/NITRITE

Person Assuming Responsibility for Sample:

THOMAS ONEILL Thomas O'Neill

Time Date (MM/DD/YY)

1300 12/2/98

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Shipped to LAB

2614922

Thomas O'Neill

1630

12/2/98

John F. Burr

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

ALC

John F. Burr

1630

12/2/98

Fred E. Burr

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:  
4384  
PO No.:  
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# CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
BBD-C1	12/2/98 1500	2	4/m	G	6		X	X	X						
					2					X					
					4										AMMONIA
					6										COLOR
					6										HARDNESS
					6										FLUORIDE
					6										NITRATE/NITRITE
					6										ODOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE VALUES FOR NITRATE/NITRITE

Person Assuming Responsibility for Sample:

THOMAS O'NEILL Thomas O'Neill

Time Date (MM/DD/YY)

12/2/98 1600

Reason for Change of Custody

SHIPPED TO LAB

Reason for Change of Custody

Reason for Change of Custody

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
BBD-C1	THOMAS O'NEILL	1630	12/2/98	John F. Brown	SHIPPED TO LAB
ALL	John F. Brown	1630	12/2/98	Fel Ey	

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:

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## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

Preservative Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HNO<sub>3</sub>
3. Na<sub>2</sub>SO<sub>4</sub>
4. H<sub>2</sub>SO<sub>4</sub>
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
BBD-C3	12/1/98														
BBD-C3	11/30/98 @ 1200	2	4M	G	2						X				
BBD-C3		2	4M	G	1	+									
BBD-C3		2	4M	G	6		+	+	+						
BBD-C3	12/1/98 1200	2	4M	G	6										TD S
					1										TPH
					4										OIL & GREASE
					6										ODOR
					4										AMMONIA
					6										COLOR
					6										FLUORIDE
					6										HARDNESS
					4										NITRATE/NITRITE

Comments:

~~MS/MSD~~ (7) N/AO SEPARATE VALUE FOR NITRATE/NITRITE

Person Assuming Responsibility for Sample:

THOMAS O'NEILL

Thomas O'Neill

Time Date (MM/DD/YY)

12/1/98 1330

Sample Number Relinquished By: Time Date Received By:

BBD-C3 Thomas O'Neill 1730 12/1/98

Reason for Change of Custody

shipped to LAB

Sample Number Relinquished By: Time Date Received By:

Reason for Change of Custody

Sample Number Relinquished By: Time Date Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

\* 2  
SEPARATE  
COOLERS

99168

**SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM**  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No. \_\_\_\_\_

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify) \_\_\_\_\_

1. HCl
2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

**Send verbal and written results to:**

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

[illegible]

**Comments:**

MS / MSD

Time Date (MM/DD/YY)

11/55/98 12/1/98 13c

MS | MS-  
Person Assuming Responsibility for Sample: 1:11

Thomas Deibel

Thoms Jell

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
MS/MSB BDD-C3	Thomas Deil	1300	12/1/98		Shipped to CHS

Roy F. Weston, Inc.

Roy F. Weston, Inc.  
FEDERAL PROGRAMS DIVISION  
Resource Applications.

**Roy F. Weston, Inc.**  
**FEDERAL PROGRAMS DIVISION**  
 In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
 Management, C.C. Johnson & Maihotra, P.C., and GRB Environmental Services, Inc.

RFP No. **4384**

PO No. \_\_\_\_\_

# CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
 EPA CONTRACT 68-W5-0019  
 Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2S2O4 - Na OH
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	7. Not Preserved
8. Other (Specify)	8. See Comments

Send verbal and written results to: **Roy F. Weston, Inc., USEPA Region II START**  
**Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703**  
**Attention: Smita Sumbaly, START Analytical Coordinator**

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
BBD-C4	11/30/98 1000	2	L/M	G	2						X				②
<del>BBD-C4</del>					1	X									
BBD-C4					6		X	X	X						
BBD-C4					4										AMMONIA
BBD-C4					6										3 x 4oz POLY COLOR, FLUORIDE, NITRATES
BBD-C4					4										NITRATE / NITRITE
BBD-C4					6										ODOR
BBD-C4					4										OIL + GREASE
BBD-C4					1										TOTAL PET. HYDRO.
BBD-C4					6										TOTAL DISS. SOLIDS

Comments: **NEED SEPERATE NITRATE & NITRITE VALUES**

Person Assuming Responsibility for Sample: <b>THOMAS O'NEIL Thomas O'Neil</b>				Time Date (MM/DD/YY) <b>11/30/98</b>	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
BBD-C4	<del>Thomas O'Neil</del> <b>Thomas O'Neil</b>	11/30/98	11:30	<b>John FB</b>	Shipped to LAB
BBD-C4	<b>John O'Neil</b>	11/30/98	12:30	<b>Fed Ex</b>	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.  
 FEDERAL PROGRAMS DIVISION  
 In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 4384  
 PO No.: 99168

# CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
 EPA CONTRACT 68-W5-0019  
 Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	• See Comments

PAGE 1 of 2

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START  
 Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
 Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
RIN-002	12/1/98 0945	4	L	G	1	X									
TB-02	12/1/98 0930	4	L	G	1	X									
LBMW3	12/1/98 1210	2	4m	G	1	X									
BBD-C3	12/1/98 1200	2	4m	G	1	X									MS/MSD
29-WA	12/1/98 1500	2	4m	G	1	X									
BBD-C5	12/1/98 1530	2	4m	G	1	X									
BBD-C5		2	4m	G	2						X				
BBD-C5		2	4m	G	4										AMMONIA
BBD-C5		2	4m	G	6										COLOR
BBD-C5		2	4m	G	6										HARDNESS
BBD-C5		2	4m	G	6										FLUORIDE
BBD-C5		2	4m	G	4										NITRATE/NITRITE
BBD-C5		2	4m	G	4										OIL & GREASE

Comments:

Person Assuming Responsibility for Sample: THOMAS O'NEILL Thomas O'Neill					Time Date (MM/DD/YY) 12/1/98 1600	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	
ALL	THOMAS O'NEILL	1730	12/1/98		shipped to LAB	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	

Roy F. Weston, Inc.  
 FEDERAL PROGRAMS DIVISION  
 In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
 Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.





PO No.:

**SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM**  
**EPA CONTRACT 68-W5-0019**  
**Phone: 908-225-6116 Fax 908-225-7037**

Preservative Box No.

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl  
2. HN03  
3. Na2SO4  
4. H2SO4  
5. Other (Specify)  
6. Ice Only  
N. Not Preserved  
• See Comments

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

**Comments:**

Person Assuming Responsibility for Sample:

Time, Date (MM/DD/YY)

11/30/98

THOMAS J NIEL	
Sample Number	Relinquished By:

Sample Number	Relinquished By:
RIV-001 Trip 8 BBD-CY 12/14/14 LBRW2	Thomson Steel

Time

Date \_\_\_\_\_

Received By.

17

11/24

7/08

Reason for Change of Custody

Ship to  
LA3

Sample Number	Relinquished By:
---------------	------------------

ALL John F. Brown

Time

Date \_\_\_\_\_

Received By:

Time

Date \_\_\_\_\_

Received By:

Reason for Change of Custody

Reason for change:

1. *Journal of the American Medical Association*, 1990; 263: 1025-1028.

Reason for Change of Custody

**Roy F. Weston, Inc.**

FEDERAL PROGRAMS DIVISION

**FEDERAL PROGRAMS DIVISION**  
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

99168

**SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM**  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl  
2. HN03  
3. Na2SO4  
4. H2SO4  
5. Other (Specify)  
6. Ice Only  
N. Not Preserved  
• See Comments

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

**Comments:**

12/2/98 0900

shipped to Lab

Reason for Change of Custody

Reason for Change of Custody

Received By:

FEDERAL PROGRAMS DIVISION  
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:

4384

PO No.:

## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:

Preservative Box No.:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinse
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HNO<sub>3</sub>
3. Na<sub>2</sub>SO<sub>4</sub>
4. H<sub>2</sub>SO<sub>4</sub>
5. Other (Specify)
6. Ice Only
- N. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Attention: Smuta Sumbady, STAFF Analyst

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS					RCRA ANALYSIS			OTHER	
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR		REAC
RIN-001	11/30/98 1545	4	L	G	2					+					
↓	↓	↓	↓	↓	1	+									
↓	↓	↓	↓	↓	6		+	+	+						
TRIP BLANK	1030	8		G	1	+									AT WATER
RIN-001	11/30/98 1545	4	L	G	4										AMMONIA
↓	↓	4			6										COLOR
↓	↓	4			6										FLUORIDE
↓	↓	4			6										HARDNESS
↓	↓	4			4										NITRATE/NITRITE
↓	↓	4			6										ODOR
↓	↓	4			4										OIL + GREASE
↓	↓	4			1										TOTAL PET. HYDRO.
↓	↓	4			6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE NITRITE &amp; NITRATE VALUES

Person Assuming Responsibility for Sample:

THOMAS J. DEEM

Thomas Deem

Time Date (MM/DD/YY)

11/30/98

Sample Number

RIN-001

Relinquished By:

Thomas Deem

Time

1730

Date

11/30/98

Received By:

John J. Ben

Reason for Change of Custody

Shipped to LAB

Sample Number

RIN-001

Relinquished By:

John J. Ben

Time

1730

Date

11/30/98

Received By:

Ted Eyr

Reason for Change of Custody

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

REF No:

4384

PO No:

99168

## CHAIN OF CUSTODY RECORD

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No:

Preservative Box No:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl
2. HNO<sub>3</sub>
3. Na<sub>2</sub>SO<sub>4</sub>
4. H<sub>2</sub>SO<sub>4</sub>
5. Other (Specify)
6. Ice Only
7. Not Preserved
- See Comments

Send verbal and written results to:

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	
RIN-002	12/1/98 0945	4	L	G	6		+	+	+						
					2						+				
					4										AMMONIA
					6										COLOR
					6										FLUORIDE
					6										HARDNESS
					4										NITRATE/NITRITE
					6										ODOR
					4										OIL & GREASE
					1										TOTAL PET. HYDRO.
					6										TOTAL DISS. SOLIDS

Comments:

NEED SEPARATE NITRATE/NITRITE VALUES

Person Assuming Responsibility for Sample:

THOMAS O'NEILL

THOMAS O'NEILL

Time Date (MM/DD/YY)

12/1/98 0945

Sample Number Relinquished By:

RIN-002

THOMAS O'NEILL

Time

1:30

Date

12/1/98

Received By:

Reason for Change of Custody

SHIPPED TO LAB

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Sample Number Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

99168

**SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM**  
EPA CONTRACT 68-W5-0019  
Phone: 908-225-5116 Fax: 908-225-7037

1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

1. HCl  
2. HNO3  
3. Na2SO4  
4. H2SO4  
5. Other (Specify)  
6. Ice Only  
N. Not Preserved  
\* See Comments

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

FEDERAL PROGRAMS DIVISION  
In Association with Resource Applications, Inc., R.E. Samiera Associates, PRC Environmental  
Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

99168

**SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM**  
**EPA CONTRACT 68-W5-0019**  
**Phone: 908-225-6116 Fax: 908-225-7037**

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify

1. HCl  
2. HN03  
3. Na2SO4  
4. H2SO4  
5. Other (Specify)  
6. Ice Only  
N. Not Preserved  
\* See Comments

Roy F. Weston, Inc., USEPA Region II START

Roy F. Weston, Inc., USEPA Region II START  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
START Analytical Coordinator

Attention: Smita Sumbaly, START Analytical Coordinator

**Comments:**

**Person Assuming Responsibility for Sample:**

Time Date (MM/DD/YY)

1600 12/2/98

Reason for Change of Custody  
Shipped TO LAE

Reason for Change of Custody

Reason for Change of Custody

**Roy F. Weston, Inc.**

**FEDERAL PROGRAMS DIVISION**

**FEDERAL PROGRAMS DIVISION**  
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

**ATTACHMENT B**  
**MONITORING WELL DATA SHEETS**



# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy E. Weston, Inc.  
 CLIENT: U.S. EPA  
 SITE: Beyonde Barrel  
 ADDRESS: \_\_\_\_\_

SAMPLE NO.: LB-MW1  
 DATE: 12.2.98  
 SAMPLER: AL/AV

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" - 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0

INSIDE WELL CASING: 4"

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK - NON

SAMPLED: YES - NO

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 7.82 FT

TIME MEASURED 1310

(B) DEPTH TO WATER W/ PUMP IN THE WELL: \_\_\_\_\_ FT

TIME MEASURED \_\_\_\_\_

(C) DEPTH TO WELL BOTTOM: 14 FT  
 (AFTER COMPLETING SAMPLING)

TIME MEASURED 1310

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: \_\_\_\_\_

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: \_\_\_\_\_

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN/WELL: \_\_\_\_\_ FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
1430	15.3	6.75	1.52	18	1.22 1.19	7.82	500
1440	15.8	6.71	1.62	15	1.38	7.82	
1445	15.8	6.80	1.52	14	1.20	7.82	
1450	15.1	6.78	1.52	11	1.00	7.82	
1500	15.0	6.78	1.53	3	0.50	8.00	
1505	15.2	6.76	1.54	2	0.48	8.00	

COMPANY: START II/Rov F. Weston, Inc

\* CLIENT: U.S. EPA

**SITE:** \_\_\_\_\_

SAMPLE NO.: L13-MW (Continued)

DATE: 12-2-98

**SAMPLER:** \_\_\_\_\_

ADDRESS: \_\_\_\_\_

[illegible]

1. STOPPED PURGING AT: \_\_\_\_\_
2. TOTAL VOLUME PURGED: \_\_\_\_\_
3. SAMPLED COLLECTED: 1540

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: BAYONNE B+D  
 ADDRESS: NEWARK

SAMPLE NO.: LB-HW 2  
 DATE: 11/30/98  
 SAMPLER: J. WADDETON / C. STANNIK

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" - 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.3

INSIDE WELL CASING: 0.0

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK - NON

SAMPLED: YES - NO

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

HYDROCARBON ODOR

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 6.70 FT

TIME MEASURED 14:40

(B) DEPTH TO WATER W/ PUMP IN THE WELL: 6.70 FT

TIME MEASURED 14:55

(C) DEPTH TO WELL BOTTOM: \_\_\_\_\_ FT  
 (AFTER COMPLETING SAMPLING)

TIME MEASURED \_\_\_\_\_

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 11/30/98

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: GRUNDFOS REDIFLO 2

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT SCREEN WELL: 12.1 FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DISSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
15:08	16.6	6.44	1.56	47	1.59	6.80	500 ml/min
15:15	17.0	6.48	1.635	46	1.67	6.78	500 ml/min
15:21	17.2	6.59	2.23	31	1.41	6.80	—
15:27	17.4	6.70	2.89	18	1.71	6.80	500 ml/min
15:36	17.4	6.71	3.04	15	1.62	6.80	—
15:43	17.6	6.70	3.05	16	1.42	6.81	500 ml/min

**CLIENT: U.S. EPA**

SITE: BAYONNE B+D

ADDRESS: NEWARK

SAMPLE NO.: LBHL22 (Continued)

DATE: 11/30/98

SAMPLER: B. DADDEYTON / C. STANNIK

FLOW RATE

1. STOPPED PURGING AT: 16:09  
2. TOTAL VOLUME PURGED: 10 GALLONS  
3. SAMPLED COLLECTED: 16:15

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc

SAMPLE NO: LB MW 3

CLIENT: U.S. EPA

DATE: 12-01-98

SITE: Bayonne Barrel + Drum

SAMPLER: B. Waddleton / C. Stannik

ADDRESS: NEWARK

## WELL OBSERVATIONS

WELL CASING AND LID: (NO CAP) ~~INTACT~~ - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" 4" 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.0

INSIDE WELL CASING: 0.0

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: 0.0

NAPL LAYER OBSERVED: FLT - SNK NON

SAMPLED: YES NO

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 4.00 ~~3.90~~ FT

TIME MEASURED 10:50

(B) DEPTH TO WATER W/ PUMP IN THE WELL: 3.90 FT

TIME MEASURED 10:52

(C) DEPTH TO WELL BOTTOM: 12.7 FT  
(AFTER COMPLETING SAMPLING)

TIME MEASURED 12:55

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 12-01-98

PURGING METHOD: BAILER SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: GRUNDFOS REXFLO 2

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT SCREEN/WELL: 8.1 FT - WATER SURFACE

PURGED WATER DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DISSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
11:04	16.0	7.18	0.802	11	1.63	<del>5.20</del>	300 ml/min
11:06	16.2	7.14	0.809	7	1.71	5.15	300 ml/min
11:16	16.4	7.17	0.821	5	1.91	5.16	300 "
11:24	16.3	7.20	0.824	4	1.92	5.15	300 "
11:34	16.2	7.21	0.834	3	2.09(?)	5.17	300 "
11:44	16.1	7.20	0.842	2	1.91	5.17	300 "

5 gallons purged @ 11:50

**CLIENT: U.S. EPA**

SITE: Bayonne Barrel + Drum

ADDRESS: Newark N.J.

SAMPLE NO.: LB MW3 (Continued)

DATE: 12-1-98

DATE: 7/2  
SAMPLER: C. Staunich / B. Waddleton

DTW FLOURS.

1. STOPPED PURGING AT: 12:08

2. TOTAL VOLUME PURGED: 7 gallons

3. SAMPLED COLLECTED: 12:10

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: Bayonne Branch  
 ADDRESS: \_\_\_\_\_

SAMPLE NO.: well 4  
 DATE: 11/30/98  
 SAMPLER: Vanderen/m. corbucci

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" - 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.1 ppm

INSIDE WELL CASING: 6.5 ppm

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK - NON

SAMPLED: YES - NO

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 8.59 FT TIME MEASURED 0950  
 (B) DEPTH TO WATER W/ PUMP IN THE WELL: 8.48 FT (9.50) TIME MEASURED 1000  
 (C) DEPTH TO WELL BOTTOM: 19.5 FT TIME MEASURED \_\_\_\_\_  
 (AFTER COMPLETING SAMPLING)

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 11-30-98

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: low-flow

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: 13 FT - SCREEN/WELL: 1 FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ON SITE JS

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min

COMPANY: START IV/Rov F. Weston, Inc

CLIENT: U.S. EPA

SITE: Bayonne Canal

SAMPLE NO.: well-A (Continued)

DATE: 11-30-98

SAMPLER: VADEVEN / CAPPOLICCHIA

ADDRESS: \_\_\_\_\_

[illegible]

1. STOPPED PURGING AT: 1220
2. TOTAL VOLUME PURGED: 11 gal
3. SAMPLED COLLECTED: \_\_\_\_\_

Depth of water after sampling = 8.40 ft 1220 w/pump



# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: BAYONNE B+D  
 ADDRESS: NEWARK

SAMPLE NO.: ML-29 WA  
 DATE: 12/1/98  
 SAMPLER: B. WADDLETON / C. STANNIK

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT DAMAGED - MOVED - NONE

LOCKED: YES NO

WELL DIAMETER: 2" 4" 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.0

INSIDE WELL CASING: 6.6

FID: BACKGROUND READING —

INSIDE WELL CASING: —

NAPL LAYER OBSERVED: FLT - SNK NON

SAMPLED: YES NO

THICKNESS: NA INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 9.35 FT

TIME MEASURED 13:45

(B) DEPTH TO WATER W/ PUMP IN THE WELL: 9.34 FT

TIME MEASURED 14:00

(C) DEPTH TO WELL BOTTOM: 9.35 FT  
 (AFTER COMPLETING SAMPLING)

TIME MEASURED 15:

## PURGING AND WATER PARAMETERS INFORMATION

LIKE ~~AN~~ OTHER WELLS.  
 YELLOW TINT AND  
 FOAMING

PURGING AND SAMPLING DATE: 12-1-98

PURGING METHOD: BAILER SUB. PUMP CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: GRUNDFOS REDIFLO 2

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN/WELL 13 FT - WATER SURFACE

PURGED WATER: DISCHARGED TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DISSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
1408	17.3	6.88	1.34	30	2.26	9.34	450 ml/min
1418	17.2	6.93	1.34	9	2.46	9.35	500 ml/min
1427	17.2	6.89	1.36	4	2.13	9.34	500 "
1435	17.1	6.92	1.36	1	2.19	9.34	500 "
1442	16.9	6.96	1.34	0	2.08	9.35	500 "
1448	17.0	6.94	1.35	0	2.19	9.35	500 "

≈ 4 gallons at 14:30 hrs.

COMPANY: START II/Roy F. Weston, Inc

CLIENT: U.S. EPA

SITE: RAYONNE B+D

ADDRESS: NEWARK

SAMPLE NO.: MD-29A (Continued)

DATE: 12-1-98

SAMPLER: B. WADDLETON / C. STANNIN

[illegible]

1. STOPPED PURGING AT: 14:50
2. TOTAL VOLUME PURGED: 27.5 gal.
3. SAMPLED COLLECTED: 15:00

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Rov F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: Hazardous Waste Drum  
 ADDRESS: \_\_\_\_\_

SAMPLE NO: 2614909-5  
 DATE: 12-02-98  
 SAMPLER: VANDERBILT/Cybernetics

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE  
 WELL DIAMETER: 2" - 4" - 6" - 8"  
 MEASURING POINT: TOP OF CASING  
 VAPOR READINGS: PID - BACKGROUND READING 69ppm DCHINE / 41ppm BREATHING ZONE  
 FID: BACKGROUND READING \_\_\_\_\_  
 NAPL LAYER OBSERVED: FLT - SNK - NON SHEEN SAMPLED: YES NO  
 LOCKED: YES - NO  
 STICKUP HEIGHT: \_\_\_\_\_ FT  
 INSIDE WELL CASING: \_\_\_\_\_  
 INSIDE WELL CASING: \_\_\_\_\_  
 THICKNESS: SHEEN INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY  
 (A) DEPTH TO WATER: 7.94 FT TIME MEASURED \_\_\_\_\_  
 (B) DEPTH TO WATER W/ PUMP IN THE WELL: \_\_\_\_\_ FT TIME MEASURED \_\_\_\_\_  
 (C) DEPTH TO WELL BOTTOM: \_\_\_\_\_ FT TIME MEASURED \_\_\_\_\_  
 (AFTER COMPLETING SAMPLING)

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 12-02-98  
 PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: RGD FLOW-2  
 DEVICE DESCRIPTION: \_\_\_\_\_  
 PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: 11 FT - SCREEN/WELL: \_\_\_\_\_ FT - WATER SURFACE  
 PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

\* SHEEN FOUND ON TOP OF THE WATER TABLE!  
 PURGING (21) BY TEFION BAILER @ 0840 INDICATED THAT THE SHEEN WAS LESS THAN 0.1 FEET, CONFIRMING INTERFACE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
0950	15.1	6.45	4.29	3	2.42	NA	550
1005	14.7	6.53	4.22	3	3.99	NA	200
1055	13.6	6.44	4.22	3	2.25	NA	250
1130	16.9	6.38	4.22	3	1.32	7.94	250
1245	15.2	6.41	4.25				

COMPANY: START II/Rov. F. Weston, Inc

CLIENT: U.S. EPA

**SITE:** \_\_\_\_\_

ADDRESS: \_\_\_\_\_

SAMPLE NO.: 2619904-5 (Continued)

DATE: 12-2-98

**SAMPLER:** \_\_\_\_\_

[illegible]

1. STOPPED PURGING AT: \_\_\_\_\_
2. TOTAL VOLUME PURGED: \_\_\_\_\_
3. SAMPLED COLLECTED: 1110

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc

SAMPLE NO.: 2614920

CLIENT: U.S. EPA

DATE: 12-2-98

SITE: BAYONNE BARREL + DRUM

SAMPLER: C. Stann. 4 / B. Vaddleton

ADDRESS: NEWARK

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" - 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 1.8

INSIDE WELL CASING: 2.2

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK NON

SAMPLED: YES - NO NA

THICKNESS: NA INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 11.81 FT

TIME MEASURED 09:40

(B) DEPTH TO WATER W/ PUMP IN THE WELL: 11.80 FT

TIME MEASURED 09:46

(C) DEPTH TO WELL BOTTOM: 19.58 FT  
(AFTER COMPLETING SAMPLING)

TIME MEASURED 11:53

## PURGING AND WATER PARAMETERS INFORMATION

A LITTLE  
FOAMING  
OBSERVED

PURGING AND SAMPLING DATE: 12-2-98

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: GRUNDFOS REDIFLO 2

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN WELL: 16 FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DISSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
0950	15.8	6.72	1.80	16	1.95	11.85	600 ml/min
0955	16.5	6.75	1.86	0	2.07	11.91	450 ml/min
1002	16.5	6.75	1.88	1	1.98	11.91	650 " "
1015	17.3	6.84	1.88	1	1.67	11.85	350 " "
1028	16.3	6.87	1.87	2	2.45	11.81	300 "
1040	18.3	6.80	1.86	2	2.26	11.81	" "

Ⓢ Controller frequency changes w/o human interference

COMPANY: START II/Rov F. Weston, Inc

**CLIENT: U.S. EPA**

SITE: BAYONNE B+D

ADDRESS: NEWARK

SAMPLE NO: 2614920 (Continued)

DATE: 12-2-98

SAMPLER: B. WADDLETON / C. STANNIK

[illegible]

1. STOPPED PURGING AT: 1100
2. TOTAL VOLUME PURGED: 8 gallons.
3. SAMPLED COLLECTED: 1115

8 gallon pail

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Rov F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: Bayonne Barrel + Drum  
 ADDRESS: Newark NJ

SAMPLE NO: BBD-C1  
 DATE: 12-2-98  
 SAMPLER: B. Waddleton / C. Hann, Jr

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED YES - NO

WELL DIAMETER: 2" 4" 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 1.8

INSIDE WELL CASING: 1.8

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK - NON

SAMPLED: YES - NO NA

THICKNESS: NA INCHES

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 21.41 FT

TIME MEASURED 1324

(B) DEPTH TO WATER W/ PUMP IN THE WELL: 21.41 FT

TIME MEASURED 1334

(C) DEPTH TO WELL BOTTOM: \_\_\_\_\_ FT  
 (AFTER COMPLETING SAMPLING)

TIME MEASURED \_\_\_\_\_

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 12-2-98

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \_\_\_\_\_

DEVICE DESCRIPTION: GRANDFOS READY FLO

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN WELL: 23.5 FT - WATER SURFACE

PURGED WATER: DISCHARGED TREATED - STORED ONSITE

TIME	TEMPERATURE	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
1400	<u>15.0</u>	6.76	1.98	17	0.79	21.41	450 ml/min
1407	16.2	6.79	1.96	32	1.05	21.50	500 ml/min
1413	16.2	6.77	1.97	24	0.87	21.50	500 ml/min
1421	16.1	6.79	1.97	15	0.80	21.50	500 ml/min
1430	15.8	6.77	1.97	10	0.87	21.50	570 ml/min
1439	15.9	6.80	1.96	7	0.86	21.50	550 ml/min

COMPANY: START II/Rev F. Weston, Inc

**CLIENT: U.S. EPA**

SITE: Bayonne Barrel + Drum

ADDRESS: Newark

SAMPLE NO.: BBD-C1 (Continued)

DATE: 12/2/98

SAMPLER: B. WADDINGTON / C. STANNIK

[illegible]

1. STOPPED PURGING AT: 1455
2. TOTAL VOLUME PURGED: 9 Gallons
3. SAMPLED COLLECTED: 1500



# MONITORING WELL SAMPLING LOG

COMPANY: START II/Rov F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: Bayonne Canal  
 ADDRESS: \_\_\_\_\_

SAMPLE NO.: BBD-C3  
 DATE: 11-30-98 12-01-98  
 SAMPLER: RANDY/LOP/MLC

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE  
 WELL DIAMETER: 2" - 4" - 6" - 8"  
 MEASURING POINT: TOP OF CASING  
 VAPOR READINGS: PID: BACKGROUND READING 0 ppm  
 FID: BACKGROUND READING \_\_\_\_\_  
 NAPL LAYER OBSERVED: FLT - SNK - NON  
 LOCKED: YES NO  
 STICKUP HEIGHT: \_\_\_\_\_ FT  
 INSIDE WELL CASING: 0.14  
 INSIDE WELL CASING: \_\_\_\_\_  
 THICKNESS: \_\_\_\_\_ INCHES  
 SAMPLED: YES - NO

## GROUNDWATER LEVEL INFORMATION

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 6.50 5.52 FT TIME MEASURED 7:50 08:40  
 (B) DEPTH TO WATER W/ PUMP IN THE WELL: \_\_\_\_\_ FT TIME MEASURED \_\_\_\_\_  
 (C) DEPTH TO WELL BOTTOM: \_\_\_\_\_ FT TIME MEASURED \_\_\_\_\_  
 (AFTER COMPLETING SAMPLING)

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 12-01-98  
 PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: REDIFLOW  
 DEVICE DESCRIPTION: \_\_\_\_\_  
 PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN/WELL: \_\_\_\_\_ FT - WATER SURFACE  
 PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
0900	13.6	6.45	6.25	20	0.1		
0910	14	7.10	6.1				
0920	14.9	7.08	6.09	73	3.27	5.57	360 L/min
0930	15.3	7.11	6.08	4	2.50	5.57	

**CLIENT: U.S. EPA**

**SITE:**

SAMPLE NO.: BBD-43 (Continued)

DATE: 12-01-48

**SAMPLER:**

**DRESS:**

[illegible]

1. STOPPED PURGING AT: 1145 hr
2. TOTAL VOLUME PURGED: 14 gallons
3. SAMPLED COLLECTED: 1145 hr 1200

H<sub>2</sub>O depth w/ pump 5.57

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: Bayonne Barrel  
 ADDRESS: Newark, NJ.

SAMPLE NO.: BBD-C4  
 DATE: 11/30/98  
 SAMPLER: B. Waddleton/C. STANNIK

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES - NO

WELL DIAMETER: 2" - 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.0

INSIDE WELL CASING: 3 ppm

FID: BACKGROUND READING \_\_\_\_\_

INSIDE WELL CASING: \_\_\_\_\_

NAPL LAYER OBSERVED: FLT - SNK - NON SAMPLED: YES - NO NA  
SHELL OIL PRODUCT / HYDROCARBON

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

GREEN/YELLOW TINT

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 19.16 FT

TIME MEASURED 0920

(B) DEPTH TO WATER W/ PUMP IN THE WELL: \_\_\_\_\_ FT

TIME MEASURED \_\_\_\_\_

(C) DEPTH TO WELL BOTTOM: \_\_\_\_\_ FT  
 (AFTER COMPLETING SAMPLING)

TIME MEASURED \_\_\_\_\_

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 11/30/98

PURGING METHOD: BAILER SUB. PUMP CENT. PUMP - OTHER: LOW FLOW GROUNDFOJ

DEVICE DESCRIPTION: GROUNDFOJ REDIFLOW 2

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN/WELL: 2 FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
10:03	15.8	6.81	2.05	-10	2.10	19.19	500 ml/min
10:10	15.8	6.86	1.93	-10	1.96	19.19	250 -
10:27	16.7	6.85	2.07	14	2.15	19.19	450 -
10:40	16.6	6.84	2.17	12	2.19	19.19	600 ml/min
10:55	16.8	6.86	2.20	6	2.134	19.19	500 ml/min
11:00	17.2	6.85	2.19	4	2.1148	19.19	450 ml/min

5 gallon at 10:28 hrs.  
 10 gallons at 10:55 hrs.

**CLIENT: U.S. EPA**

**ADDRESS:**

DATE:

**SAMPLER:**

FLOW RATE

1. STOPPED PURGING AT: 1255

2. TOTAL VOLUME PURGED: \_\_\_\_\_

3. SAMPLED COLLECTED: 1300

PH AND SAMPLERS MADE  
DECISION TO COLLECT SAMPLE AT 1300 HRS.  
DESPITE FLUCTUATION IN DISSOLVED  
OXYGEN; FLOW RATE OF PUMP  
PRESENTED A PROBLEM.

# MONITORING WELL SAMPLING LOG

COMPANY: START II/Roy F. Weston, Inc  
 CLIENT: U.S. EPA  
 SITE: BAYONNE BARREL + GRUN  
 ADDRESS: NEW ARK

SAMPLE NO.: 88D-C5  
 DATE: 12-01-98  
 SAMPLER: B. WADDLETON / C. STANNIN

## WELL OBSERVATIONS

WELL CASING AND LID: INTACT - DAMAGED - MOVED - NONE

LOCKED: YES NO

WELL DIAMETER: 2" 4" - 6" - 8"

STICKUP HEIGHT: \_\_\_\_\_ FT

MEASURING POINT: TOP OF CASING

VAPOR READINGS: PID: BACKGROUND READING 0.4

INSIDE WELL CASING: 6.2

FID: BACKGROUND READING —

INSIDE WELL CASING: —

NAPL LAYER OBSERVED: FLT - SNK - NON

SAMPLED: YES - NO

THICKNESS: \_\_\_\_\_ INCHES

## GROUNDWATER LEVEL INFORMATION

Volume:

MEASURED - RECORDED PREVIOUSLY

(A) DEPTH TO WATER: 5.73 FT

TIME MEASURED 08:30

8.29

(B) DEPTH TO WATER W/ PUMP IN THE WELL: NA FT

TIME MEASURED NA

5.73

(C) DEPTH TO WELL BOTTOM: 8.29 FT

TIME MEASURED 08:31

2.56

(AFTER COMPLETING SAMPLING)

2.56 x 0.16

0.256

0.128

0.0256

0.4096 gal.

## PURGING AND WATER PARAMETERS INFORMATION

PURGING AND SAMPLING DATE: 12-01-98

PURGING METHOD: BAILER - SUB. PUMP - CENT. PUMP - OTHER: \* WELL WORKS NOT SUPPORT PUMPING

DEVICE DESCRIPTION: POLY DUE TO LOW VOLUME AND POOR RECOVERY (7B)

PUMP/BAILER INTAKE DEPTH: TOP - BOTTOM: \_\_\_\_\_ FT - SCREEN/WELL: \_\_\_\_\_ FT - WATER SURFACE

PURGED WATER: DISCHARGED - TREATED - STORED ONSITE

TIME	TEMPERATURE °C	pH	CONDUCTIVITY mS/cm	TURBIDITY	DESSOLVED OXYGEN	DEPTH TO WATER	FLOW RATE ml/min
0840	12.6	6.81	.727	355	1.72	N/A	N/A
** WELL RECOVERY VERY POOR - DECISION MADE BY PM JOHN BRENNAN AND OSC CONSENTING TO ALLOW THE WELL TO RECOVER AND SAMPLE FOR AS MANY PARAMETERS AS POSSIBLE AS PER EPA REGION II METHOD (7B)							

\* \* \* SAMPLED @ 1530 ON 12/1/98 BY COPPOLA AND  
 VANDEVEN VIA TEFLON BAILER AS PER THE INSTRUCTIONS  
 OF PM JOHN BRENNAN. PARAMETERS SAMPLED FOR: PH  
AMMONIA HARDNESS FLUORIDE NITRATE/NITRIT

**CLIENT: U.S. EPA**

SAMPLE NO.: BBD-C5 (Continued)

DATE: 12-02-98

**SAMPLER:**

**DRESS:**

1. STOPPED PURGING AT: \_\_\_\_\_
2. TOTAL VOLUME PURGED: \_\_\_\_\_
3. SAMPLED COLLECTED: \_\_\_\_\_

DTW AFTER TCL SERVING.

SAMPLING (12-2-98); 6.92'